

## DJSMDS/DJSMONLINE

DJSMDS Derwent Journal of Synthetic Methods (Subsc.)  
 DJSMONLINE Derwent Journal of Synthetic Methods (Non-Subsc.)

### Subject Coverage

- All new or improved synthetic methods, and known processes effected by new reagents. In addition interesting applications and extensions of known reactions and applications of organometallic and metal complexes to organic synthesis.

### File Type

Bibliographic, Structure

### Features

Alerts (SDIs)	Not available		
CAS Registry Number® Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>
<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	SLART	<input type="checkbox"/>
Learning Database	<input type="checkbox"/>	Structures	<input checked="" type="checkbox"/>

### Record Content

- The records contain reaction information consisting of structure diagrams for reactants and products, DJSM Registry Numbers for all reactants, products, solvents, and catalysts, yields for products, and textual reaction information.
- The reactants and products are structure-searchable with a single reaction query.
- Reaction keywords and keywords for reactants, reagents, solvents and products are searchable.
- The records contain also bibliographic information, and abstracts.
- Page images of the printed Derwent Journal of Synthetic Methods are included for all records.

### File Size

- 109,307 records

### Coverage

1975-2009

### Updates

Closed file

### Language

English

### Database Producer

Clarivate Analytics (UK) Limited  
 Friars House, 160 Black Friars Rd.  
 London SE1 8EZ  
 United Kingdom

Copyright Holder: Clarivate Analytics

**Sources**

- over 180 journals
  - patents from 40 issuing authorities
- 

**User Aids**

- DJSM Technical Guide \*
  - DJSM Thesaurus \*
  - Building and Searching Structures on STN
  - Online Helps (HELP DIRECTORY lists all help messages available)
  - STNGUIDE
- \* available from the producer
- 

**Cluster**

- AUTHORS
- REACTION
- STRUCTURE

STN Database Cluster information:

<http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features>

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## Search and Display Field Codes

### General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains DJSM Registry Numbers for all reaction participants, and single words from AB, CC, KW, NTE and TI)	None or /BI	S 1981 S STEREOSPECIFIC MICHAEL ADDITION S A AND B S "TEMP=" S 44 (L) 1981	AB, CC, KW,NTE,RX formats,TI
Accession Number	/AN	S 75005D/AN S 88:75005/AN S 8875005/AN S 198875005/AN S 1988:75005D/AN	AN
Atmosphere	/ATM	S O3/ATM	RX formats
Author	/AU	S CINQUINI M/AU S CINQUINI, M./AU	AU
Catalyst (3)	/CAT	S 404/CAT	RX formats
Catalyst Chemical Name	/CAT.CN	S TICL3/CAT.CN	RX formats
Catalyst Supplementary Term	/CAT.ST	S 68/CAT AND HYDRATE/CAT.ST	RX formats
Classification Code	/CC	S (A AND B)/CC	CC
Document Type (code and text)	/DT (or /TC)	S DIARYLSULFON?/TI AND P/DT S DIARYLSULFON?/TI AND P/TC	DT
Entry Date (1)	/ED (or /UP)	S ED=20100811	ED
International Standard (Document) Number	/ISN	S TETRAB/ISN S 0040-4020/ISN	SO, ISN
Journal Title	/JT	S TETRAHEDRON/JT	SO, JT
Keyword	/KW	S PROTECTION-NH/KW	KW
Non Product	/NPRO	S FERROCENE/NPRO	RX formats
Non-reacting Group Keyword	/NON.KW	S O-SULFONYL/NON.KW	KW
Note	/NTE	S L6 AND VACUUM/NTE	NTE
Number of Steps (1)	/NS	S L5 AND 1/NS	NS
Other Source (DWPI accession number)	/OS	S 85-160803/OS	OS
Patent Assignee (2)	/PA (or /CS)	S BOEHRINGER/PA	PA
Patent Number	/PN	S EP330058/PN	PI
Pressure (1)	/P	S 2/P S 2-3 ATM/P	RX formats
Product Keyword	/PRO.KW	S PURINE/PRO.KW	KW
Product Registry Number (4)	/PRO	S 200/PRO	RX formats
Product Supplementary Term	/PRO.ST	S 153040/PRO AND CHIRAL/PRO.ST	RX formats
Publication Year (1)	/PY	S 1990/PY S PY>1985 AND CZECH B P/AU	SO, PY
Reactant Keyword	/RCT.KW	S STEROID/RCT.KW S "HYDROXYLAMINE+"/RCT.KW	KW
Reactant Registry Number (5)	/RCT	S 40/RCT	RX formats
Reactant Supplementary Term	/RCT.ST	S 74520/RCT AND CHIRAL/RCT.ST	RX formats
Reaction Symbol	/SYM	S CC-ELI-O/SYM	SYM
Reagent Keyword	/RGT.KW	S SILANE/RGT.KW S "ACID=7"/RGT.KW	KW
Solvent	/SOL	S 12/SOL	RX formats
Solvent Chemical Name (6)	/SOL.CN	S NH3/SOL.CN	RX formats
Solvent Keyword	/SOL.KW	S ESTER/SOL.KW	KW

## General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Solvent Supplementary Term Source (contains journal title, collation, ISSN, CODEN)	/SOL.ST /SO	S 12/SOL AND GAS/SOL.ST S TETRAB/SO S (TETRAHEDRON(L)35)/SO S 0040-4020/SO	RX formats SO
Temperature (1)	/T	S 200-220/T	RX formats
Time (1)	/TIM	S L1 AND TIM<1	RX formats
Title	/TI	S CYCLOPROPYLKETONE?/TI	TI
Volume/Issue (printed DJSM)	/VI	S 16-1/VI	VI
Yield Product (1)	/YDP	S L1 AND YDP>95	RX formats
Yield Product Text	/YDPT	S NONE/YDPT	Not displayed

(1) Numeric search field that may be searched with numeric operators or ranges.

(2) Search with implied (S) proximity is possible.

(3) A search in /CAT includes the subfields Chemical Name and Supplementary Term.

(4) A search in /PRO includes the subfield Supplementary Term.

(5) A search in /RCT includes the subfield Supplementary Term.

(6) A search in /SOL includes the subfields Chemical Name and Supplementary Term.

## STRUCTURE SEARCH TERMS

Terms 1)	Search Examples
L-numbers of structures built using the STRUCTURE command or uploaded from STN Express (Boolean logic allowed between the L-numbers)	SEARCH L1 CSS FUL S L1 NOT L2
L-numbers of screen sets created using the SCREEN command (Boolean logic allowed between the L-numbers)	S L3 OR L4
L-numbers of structures built using the STRUCTURE command or uploaded from STN Express combined with L-numbers of screen sets created using the SCREEN command (Boolean logic allowed between the L-numbers)	S L1 NOT L3

(1) The L-number answer set from a structure search may be combined with text terms, e.g., S L6(L)ANY/CAT.

## TYPES OF STRUCTURE SEARCHING

Type	Definition	Search Code	Search Examples
Substructure (default)	Search for substances that match the query. Substitution is allowed at all open positions.	SSS	SEARCH L1 SSS FUL
Closed Substructure	Search for substances that match the query exactly. Substitution is allowed at positions opened by CONNECT.	CSS	SEARCH L1 CSS FUL SEA L4 CSS

## SCOPES OF STRUCTURE SEARCHES

Type	Definition	Search Code	Search Examples
Full (default)	Search 100 % of the file	FUL	S L5 SSS FUL
Range	Search a user-specified portion of the file	RAN	S L4 RAN=(1990,1993)
Subset Range	Search a user-specified portion of an answer set created by a search in this file	SUB RAN	S L6 SUB=L10 RAN=(77000J,77100J)
Subset Full	Search 100% of an answer set created by a search in this file	SUB FUL	S L6 SUB=L11 FUL

## DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI CS. The fields are displayed or printed in the order requested.

Hit-term highlighting is available in the bibliographic, and RX fields. In the RX fields, highlighting occurs in the Reaction MAP and in the Reaction Summary. Highlighting must be ON in order to use the HIT, FHIT, and OCC formats. The default display format is a combination of two formats: FHIT CBIB.

Format	Content	Examples
RX RX(n) RXG RXG(n) RXS RXS(n)	Reaction (Map, Diagram, Summary for all single-step reactions) Reaction n (Map, Diagram, Summary for reaction n) Reaction Graphics (Map and Diagram for all single-step reactions) Reaction n graphics (Map and Diagram for reaction n) Reaction Summary (Map and Summary for all single step reactions) Reaction n Summary (Map and Summary for reaction n)	D TI RX D RX(1) D RXG, CBIB D RXG(3) D TI AU RXS D RXS(3)
AB AN AU CC DT ED (UP) GI (PAGE) ISN JT KW (1) NTE NS OS PA PI PY SO SYM TI VI	Abstract Accession Number Author Classification Code Document Type Entry Date Graphic Image International Standard (Document) Number Journal Title Keyword Note Number of Steps Other Source (DWPI accession number) Patent Assignee Patent Information Publication Year Source Reaction Symbol Title Volume/Issue (printed DJSM)	D AB D L5 1-10 AN D AU TI D CC D DT D ED D GI D ISN D JT D KW D NTE D NS D OS D PA D PI OS D PY D SO S SYM D TI D VI TI 1-10

**DISPLAY and PRINT Formats (cont'd)**

Format	Content	Examples
ABS IABS ALL IALL BIB	AN, AB ABS, indented with text labels BIB, AB, IND, RX ALL, indented with text labels Journal: AN, TI, AU, SO, DT, VI Patent: AN, TI, PA, PI, DT, VI, OS	D ABS D IABS D ALL D IALL D BIB
CBIB IBIB IND	BIB, but the format is condensed rather than each field on a separate line BIB, indented with text labels CC, SYM, KW, RCT.KW, PRO.KW, RGT.KW, SOL.KW, NON.KW NTE, NS	D CBIB D IBIB D IND
IIND FHIT SCAN	IND, indented with text labels First HIT Reaction Map, Diagram, and Summary. AN, TI	D IIND D FHIT D SCAN
HIT OCC	After search in bibliographic fields: hit fields. After search in reaction fields: Reaction Map, Diagram and Summary for all hit reactions. All hit fields and the number of occurrences of the hit terms in each field. Includes total number of HIT reactions. Labels reactions that have incomplete verifications.	D HIT D OCC

(1) All Keyword Terms are displayed, including RCT.KW, RGT.KW, PRO.KW and NON.KW.

**SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Author	AU	Y	Y
Catalyst Chemical Name	CAT.CN	Y	N
Catalyst DJSM Registry Number	CAT	Y	N
Catalyst Supplementary Term	CAT.ST	Y	N
Classification Code	CC	Y	Y
CODEN	CODEN	N	Y
Document Type	DT	Y	Y
Entry Date	ED (UP)	Y	N
International Standard (Document) Number	ISN	Y	N
ISSN (International Standard Serial Number)	ISSN	N	Y
Journal Title	JT	Y	Y
Keyword	KW	Y	N
Non-reacting Group Keyword	NON.KW	Y	N

**SELECT, ANALYZE, and SORT Fields (cont'd)**

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Note	NOTE	Y	N
Other Source (DWPI accession number)	OS	Y	Y
Patent Assignee	PA	Y	Y
Patent Information	PI (PN)	Y	Y
Product DJSM Registry Number	PRO	Y	N
Product Keyword	PRO.KW	Y	N
Product Supplementary Term	PRO.ST	Y	N
Publication Year	PY	Y	Y
Reactant DJSM Registry Number	RCT	Y	N
Reactant Keyword	RCT.KW	Y	N
Reactant Supplementary Term	RCT.ST	Y	N
Reaction n	RX(n)	Y (1)	N
Reaction Symbol	SYM	Y	N
Reactions	RX	Y (1)	N
Solvent Chemical Name	SOL.CN	Y	N
Solvent DJSM Registry Number	SOL	Y	N
Solvent Keyword	SOL.KW	Y	N
Solvent Supplementary Term	SOL.ST	Y	N
Source	SO	Y (2)	N
Title	TI	Y	Y

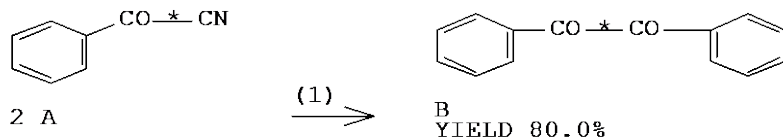
(1) DJSM Registry Numbers will be selected or analyzed.

(2) Selects or analyzes CODEN and ISSN.

**Sample Record****DISPLAY ALL**

AN 1997:2977 DJSMONLINE  
 TI SYM . ALPHA-DIKETONES FROM ACYLCYANIDES UNDER MILD CONDITIONS  
 AU Baruah, B.; Sandhu, J. S.  
 SO Tetrahedron Lett, 38(43), p.7603-4 (1997)  
 CODEN: TELEAY ISSN: 0040-4039  
 DT Journal  
 VI 23-12  
 AB Reaction is mild, simple, fast, devoid of side reactions, and higher yielding than classical routes. Furthermore, ester, p-methoxy, and aryl halogen were unaffected. Aliphatic substrates, however, required longer reaction times and afforded lower yields. For further examples, (seven; 65-80%), and with 1 equivalent ZnI<sub>2</sub> (eight; 65-78%) over a slightly longer reaction period, see citation 1.  
 CC R Reduction  
 SYM CC-Exc-C  
 KW 2-COMPONENT  
 RCT.KW NITRILE; DICARBONYL-1,2  
 PRO.KW KETONE; DIOXO-COMPD; DICARBONYL-1,2  
 RGT.KW SAMARIUM-DIIODIDE; LANTHANIDE; I,TRANS; ZINC-IODIDE; ZN-INORG;  
 I, NON-TRANS  
 SOL.KW ETHER  
 NON.KW C-ESTER; PHENOLETHER; HALIDE,AR  
 NTE TEMP=4 (10-40 degC)  
 NS 1(Path A);

RX(1) OF 1 2 A ==&gt; B



RX (1) RCT A, 8709  
 SOL 19, THF  
 CAT 424, SmI2; 2 Eq.  
 PRO B, 8739  
 T 22.0 Cel  
 TIM 0.42 hr  
 ATM N2  
 CMT Quenched with dilute HCl  
 CMT Path A

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